

WHAT IS CLAIMED IS:

1. An articulating bed frame, comprising:

a) a stationary base frame having a head end, a foot end, and opposed longitudinal members connecting the same;

b) an articulated moving upper frame mounted on a carriage, having leg support portions and upper body support portions articulated to each other and supported on said carriage traveling in channels attached to said bed frame for longitudinal shifting of said support portions relative to said base frame; and

c) a mattress-supporting body attached to said upper frame, said mattress-supporting body being divided into at least a first portion including a body support sub-portion, a thigh support sub-portion and a lower leg support sub-portion, and a second head support portion, wherein said articulated movable frame is connected to linkages causing displacement of said head-support portion, at the neck area of the user, linearly and normal relative to the plane of said first portion.

2. An articulating bed frame according to claim 1, wherein said body portion is hingedly supported and may be pivotally displaced from a horizontal position and returned to said position by a first reversible drive.

3. An articulating bed frame according to claim 2, wherein raising said body portion causes said carriage to be displaced in the direction of said head end and lowering said body portion causes said carriage to be returned in the direction of said foot end.

4. An articulating bed frame according to claim 1, wherein said leg portion is hingedly supported and may be pivotally displaced from a horizontal position and returned to said position by a second reversible drive.

5. An articulating bed frame according to claim 2, wherein pneumatic controls are provided for said drive.

6. An articulating bed frame according to claim 1, wherein said thigh portion can be length adjusted to customize the bed for a particular patient.

7. An adjustable bed comprising an articulating bed frame according to claim 1, and further comprising a one-piece upper mattress resting on said mattress-supporting body, the arrangement being such that said linkages are arranged to linearly displace said head support portion from said first portion of said mattress-supporting body and then to elevate and tilt both of said portions, whereby said head-support portion continues to provide support to an upper area of said mattress during the tilting thereof.

8. An adjustable bed according to claim 7, wherein attached VELCRO ® strips are provided for interconnecting said mattress and said mattress-supporting body.

9. An adjustable bed according to claim 7, wherein said mattress is provided with flexible strips extending from the side surfaces thereof, said strips being of a length to enable the same to extend under said mattress and to attach to upper surfaces of said mattress-support body without interfering with the placement of a sheet on said mattress.

